



三月三十日

၁၃၃

Under the Paperwork
Reduction Act, you may file form 1419A/B10
on paper or electronically.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Application Number	10/721,034
Filing Date	November 24, 2003
First Named Inventor	Mast, T. Douglas
Group Art Unit	Not assigned
Examiner Name	Dennis Ruhl
Attorney Docket Number	END-5042CIP

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	(11/27/07)
-----------------------	---	--------------------	------------

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



JUL 30 2004

SUBMISSION UNDER MPEP 609 D

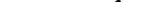
Page 1 of 1

Application Number	10/721,034
Filing Date	November 24, 2003
First Named Inventor	Mast, T. Douglas
Group Art Unit	Not assigned
Examiner Name	Dennis Ruhl
Attorney Docket Number	END-5042CIP

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Signature		Date Considered	(11/27/01)
--------------------	---	-----------------	------------

INFORMATION DISCLOSURE CITATION		Docket: END5042USCIP1	Appln. No. 10/721,034
Page 1 of 1		Applicant: T. Douglas Mast	
 DEC 27 2005		Filed: November 24, 2003	Group: 3737



U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENT

Trans

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

OTHER DOCUMENTS (including Author, Title, Date, Portion of Pages, Etc.)		

Examiner: J. H. - Date Considered: (11/27/07)

* Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. #414670

INFORMATION DISCLOSURE CITATION		Docket: END-5042	Appln. No. 10/721,034
Page 1 of 1		Applicant: T. Douglas Mast	
		Filed: November 24, 2003	Group: 3737
			

U.S. PATENT DOCUMENTS

Examiner	Document No.	Date	Name	Class	Sub
	2003/0120306	06/2003	Burbank et al.		
	5,398,690	03/1995	Batten et al.		
	5,421,338	06/1995	Crowley et al.		
	5,603,326	02/1997	Richter		
	5,810,742	09/1998	Pearlman		
	5,840,022	11/1998	Richter		
	6,013,031	01/2000	Mendlein et al.		
	6,156,029	12/2000	Mueller		
	6,159,207	12/2000	Yoon		
	6,461,314	10/2002	Pant et al.		
	6,659,949	12/2003	Lang et al.		
✓	6,702,745	03/2004	Smythe		

FOREIGN PATENT DOCUMENT

Trans

Examiner	Document No.	Date	Country	Class	Sub	Y	N

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner: 

Date Considered: (11/27/07)

* Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609.
 Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION		Docket: END-5042	Appln. No. 10/721,034
Page 1 of 1		Applicant: T. Douglas Mast	
		Filed: 11/24/2003	Group: 3737



U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENT

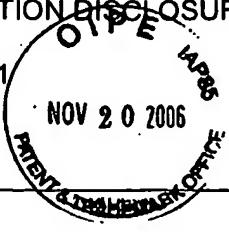
Trans

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner: 

Date Considered: (11/27/07)

* Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609.
Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION		Docket: END5042	Appln. No. 10/721,034
Page 1 of 1 		Applicant: T. Douglas Mast	
		Filed: November 24, 2003	Group: 3737

U.S. PATENT DOCUMENTS

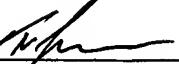
Examiner	Document No.	Date	Name	Class	Sub
	5,065,740	11/1991	Itoh		
	5,421,338	06/1995	Crowley et al.		
	5,492,126	02/1996	Hennige et al.		
	5,569,241	10/1996	Edwards		
	5,762,066	06/1998	Law et al.		
	5,810,742	09/1998	Pearlman		
	5,964,755	10/1999	Edwards		
	6,071,279	06/2000	Whayne et al.		
	6,156,029	12/2000	Mueller		
	6,159,207	12/2000	Yoon		
	6,266,552	07/2001	Slettenmark		
✓	6,461,314	10/2002	Pant et al.		

FOREIGN PATENT DOCUMENT

Trans

Examiner	Document No.	Date	Country	Class	Sub	Y	N

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

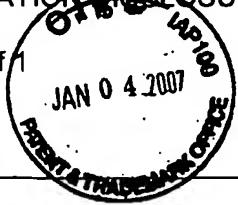
Examiner: 

Date Considered: (11/27/07)

* Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609.
Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION SHEET

Page 1 of 1



Docket: END-5042

Appln. No. 10/721,034

Applicant: Douglas T. Mast

Filed: November 24, 2003

Group: 3737

U.S. PATENT DOCUMENTS

Examiner	Document No.	Date	Name	Class	Sub
<i>[Signature]</i>	5,514,085	05/1996	Yoon		
<i>[Signature]</i>	6,602,251	08/2003	Burbank et al.		

FOREIGN PATENT DOCUMENT

Trans

Examiner	Document No.	Date	Country	Class	Sub	Y	N

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner: *[Signature]*Date Considered: *(11/27/07)*

* Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609.
 Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

7-5-07

PTO/SB/08a (05-07)

Approved for use through 09/30/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>	Application Number	10721034
	Filing Date	2003-11-24
	First Named Inventor	T. Douglas Mast
	Art Unit	3768
	Examiner Name	Francis J. Jaworski
	Attorney Docket Number	END5042USCIP

U.S.PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	5928169		1999-07-27	Schatzle et al.	
	2	6159207		2000-12-12	Yoon	

If you wish to add additional U.S. Patent citation information please click the Add button.

U.S.PATENT APPLICATION PUBLICATIONS

Remove

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS

Remove

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1	09-192139	JP		1997-07-29	Olympus Optical Co. Ltd.		<input type="checkbox"/>
	2	04-307044	JP		1992-10-29	Olympus Optical Co. Ltd.		<input type="checkbox"/>

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>	Application Number	10721034
	Filing Date	2003-11-24
	First Named Inventor	T. Douglas Mast
	Art Unit	3768
	Examiner Name	Francis J. Jaworski
	Attorney Docket Number	END5042USCIP

	3	08-084470	JP		1996-03-26	Origin Electric Co. Ltd.	<input type="checkbox"/>
--	---	-----------	----	--	------------	--------------------------	--------------------------

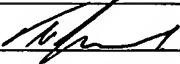
If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	<input type="checkbox"/> T ⁵
	1		<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature		Date Considered	11/27/07
--------------------	---	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE CITATION		Docket: END5042USCIP	Appln. No. 10/721,034
Page 1 of 1		Applicant: T. Douglas Mast	
		Filed: November 24, 2003	Group: 3768

*NOV. 01 2007
U.S. PATENT & TRADEMARK OFFICE*

U.S. PATENT DOCUMENTS

Examiner	Document No.	Date	Name	Class	Sub	
<i>[initials]</i>	5,931,805	08/03/1999	Brisken			
<i>[initials]</i>	6,371,973	04/16/2002	Tepper			

FOREIGN PATENT DOCUMENT

Examiner	Document No.	Date	Country	Class	Sub	Trans Y	Trans N
<i>[initials]</i>	04-307044	10/29/1992	JP				
<i>[initials]</i>	10-511477	11/04/1998	JP				
<i>[initials]</i>	09-192139	07/29/1997	JP				
<i>[initials]</i>	08-084740	04/02/1996	JP				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner: *[Signature]*

Date Considered: *11/27/07*

* Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609.
 Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

11-5-07

INFORMATION DISCLOSURE CITATION Page 1 of 1		Docket: END5042USCIP	Appln. No. 10/721,034
		Applicant: T. Douglas Mast	
		Filed: November 24, 2003	Group: 3768

U.S. PATENT DOCUMENTS

Examiner	Document No.	Date	Name	Class	Sub	
	5,687,729	11/1997	Schaetzle			
	5,769,790	06/1998	Watkins et al.			
	6,050,943	04/2000	Slayton et al.			
	6,106,517	08/2000	Zupkas			
	6,156,029	12/2000	Mueller			
	6,340,352	01/2002	Okada et al.			
	6,575,969	06/2003	Rittman et al.			

FOREIGN PATENT DOCUMENT

Trans

Examiner	Document No.	Date	Country	Class	Sub	Y	N

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner:  Date Considered: 11/27/07

* Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609.
 Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

11-14-07

INFORMATION DISCLOSURE CITATION		Docket: END5042USCIP	Appln. No. 10/721,034
Page 1 of 1		Applicant: T. Douglas Mast	
Filed: November 24, 2003		Group: 3768	

U.S. PATENT DOCUMENTS

Examiner	Document No.	Date	Name	Class	Sub	
<i>MJ</i>	3,779,234	12/18/1973	Eggleton et al.			
<i>MJ</i>	5,042,486	08/27/1991	Pfeiler et al.			
	6,059,731	05/09/2000	Seward et al.			
<i>MJ</i>	6,083,159	07/04/2000	Driscoll et al.			

FOREIGN PATENT DOCUMENT

Trans

Examiner	Document No.	Date	Country	Class	Sub	Y	N
<i>MJ</i>	97/29709	08/21/1997	WO				
<i>MJ</i>	99/33500	07/08/1999	WO				
<i>MJ</i>	01/43641	06/21/2001	WO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner: <i>MJ</i>	Date Considered: 11/27/07
---------------------	---------------------------

* Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609.
 Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.